

COURSE DETAIL

ENVIRONMENTAL BIOACOUSTICS

Country

Singapore

Host Institution

National University of Singapore

Program(s)

National University of Singapore

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Biological Sciences

UCEAP Course Number

168

UCEAP Course Suffix**UCEAP Official Title**

ENVIRONMENTAL BIOACOUSTICS

UCEAP Transcript Title

ENVRNMTL BIOACOUSTC

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

From low frequency minute vibrations to infrasonic and ultrasonic frequencies, from waterborne to air-transmitted sounds, this course introduces what sound is (i.e. fundamentals of sound, how sound travels etc.), how and why it matters to animals (i.e. mechanisms and adaptive functions of sound production and reception) in both terrestrial and marine habitats, bioacoustic instrumentation and software, industrial applications, and how environmental issues involving sounds such as terrestrial and ocean noise pollution are affecting animals and humans.

Language(s) of Instruction

English

Host Institution Course Number

LSM4268

Host Institution Course Title

ENVIRONMENTAL BIOACOUSTICS

Host Institution Course Details

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Biological Sciences

Course Last Reviewed

2022-2023

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